

INTERNATIONAL SEARCH REPORT

Internal
PCT/cr 02/03 886A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01S5/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H01S G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	TAKAHASHI H ET AL: "Multiwavelength ring laser composed of EDFAs and an arrayed-waveguide wavelength multiplexer" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 30, no. 1, 6 January 1994 (1994-01-06), pages 44-45, XP006000038 ISSN: 0013-5194 the whole document	1,8,10, 11,15, 16,20.
A	US 2001/010599 A1 (LEFEVRE HERVE) 2 August 2001 (2001-08-02) cited in the application paragraph '0041! - paragraph '0043!; figures 3,4 --- -/--	1,8,10, 11,15, 16,20

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

11 March 2003

Date of mailing of the international search report

21/03/2003

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PCT, LI 886

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 130 899 A (EPWORTH RICHARD EDWARD ET AL) 10 October 2000 (2000-10-10) column 2, line 59 -column 4, line 27; figures 2,4	1,8,10, 11,15, 16,20
A	US 4 979 178 A (HAGMAN RONALD L ET AL) 18 December 1990 (1990-12-18) column 7 -column 8; figure 9	1,8,10, 11,15,20

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Inter. Application No.
PCT/EP 02/0386

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2001010599	A1	02-08-2001	FR 2789812 A1 18-08-2000
			EP 1030418 A1 23-08-2000
			EP 1030419 A1 23-08-2000
			JP 2000286486 A 13-10-2000
			JP 2000299519 A 24-10-2000
			US 6252718 B1 26-06-2001
			US 6519269 B1 11-02-2003

US 6130899	A	10-10-2000	NONE

US 4979178	A	18-12-1990	NONE
